**Quick start of the Olfactory Arena**

Step 1. Find and double click bias\_gui\_v049.exe in the windows explorer to run the bias\_gui application. You can adjust the PointGrey camera and then overwrite the following camera configuration file:

…\OlfactoryArenaWoShocker\bias\_conig1.json.

Step 2. Make a copy of bias\_gui\_template.bat and save it as bias\_gui.bat in the same folder.

Step 3. Open the bias\_gui.bat with Matlab Editor. Modify the absolution path of the following file accordingly

…\ OlfactoryArenaWoShocker\BIAS\_V0P49\bias\_test\_gui\_v0p49\bias\_gui\_v049.exe

Step 4. Make a copy of OlfactoryArenaExpNotes\_template.xml and save it as OlfactoryArenaExpNotes.xml in the same folder.

Step 5. Make a copy of OlfactoryArenaMetaTree\_template.xml and save it as OlfactoryArenaMetaTree.xml in the same folder.

Step 6. Make a copy of …\Protocols\ protocolTemplate.xlsx and save it as myProtocol.xlsx in the same folder. Open myProtocol.xlsx with Excel and modify it accordingly.

Step 7. Make a copy of OflactoryArena\_user\_setting\_template.m and save it as OlfactoryArena\_user\_setting.m in the same folder.

Step 8. Open OlfactoryArena\_user\_setting.m,

* modify the serial port number of different devices accordingly
* Change the directory setting accordingly
* Change the file settings accordingly
* Change the defaultJsonFile accordingly

Step 9. Run OlfactoryArena.m in Matlab